

AMENDMENTS TO THE CLAIMS:

Please amend Claims 1, 15, 20, 21, 29, 32, 34, 37, 40 and 42-45 as follows:

1. (Currently Amended) A device comprising:

means for providing an oscillating magnetic field;

a printed circuit board;

a moving beam scanner, the scanner comprising:

a substrate;

a laser light source mounted to the substrate;

at least one light receiving photodiode mounted to the substrate;

a cap mounted over the substrate;

a lens for focusing the laser light source onto a target;

a lens for collecting light reflected from the target;

means mounted to the scanner for interacting with the means for providing an oscillating magnetic field; and

at least one flexible connector mechanically coupling the scanner and the circuit board such that a range of oscillation between the scanner and the circuit board is possible due to the oscillating magnetic field and through at least one flexing action of said at least one flexible connector.

2. (Original) The device of claim 1, wherein the device is a mobile phone, pager, or personal data assistant.

3. (Original) The device of claim 1, wherein the substrate comprises a printed circuit board having an area of approximately 4 x 4 mm.
4. (Original) The device of claim 1, wherein the laser light source comprises a VCSEL laser chip.
5. (Original) The device of claim 1, wherein the at least one light receiving photodiode comprises a CCD device.
6. (Original) The device of claim 1, wherein the cap, focusing lens and receiving lens are formed of plastic.
7. (Original) The device of claim 1, wherein the magnet is mounted to the cap.
8. (Original) The device of claim 1, wherein the magnet is mounted to the substrate.
9. (Original) The device of claim 1, wherein the at least one flexible connector comprises a plurality of resilient spring-like members, one end of each member attached to the printed circuit board and the other end attached to the scanner.

10. (Original) The device of claim 9, wherein the other end of each member is attached to the substrate.

11. (Original) The device of claim 9, wherein there are at least 5 members.

12. (Original) The device of claim 1, wherein the range of oscillation is +/-20° relative to a central rest position.

13. (Original) The device of claim 1, wherein the means for providing an oscillating magnetic field comprises a vibration motor and the means mounted to the scanner for interacting comprises a magnet mounted to the cap, wherein the vibration motor is arranged externally relative to the cap.

14. (Previously Amended) The device of claim 1, wherein the scanner is oscillated such that the laser light source, focusing lens and cap remain fixed relative to each other.

15. (Currently Amended) A moving-beam scanner and a scanning component combination for imparting motion to the a light beam:

the scanner located at a non-contact distance from the scanning component, the
scanner comprising:

a substrate;

a light source mounted to the substrate for generating a light beam;

at least one light-receiving photodiode mounted to the substrate;
a cap mounted over the substrate;
a lens for focusing the light ~~source~~ beam onto a target;
a lens for collecting light reflected from the target;
at least one flexible connector ~~means for~~ configured to mechanically
~~coupling couple~~ the scanner ~~and the circuit board~~ to a surface such that a range of
motion between the scanner and the ~~circuit board~~ surface is possible through at
least one flexing action of said at least one flexible connector for imparting
motion to the light beam; and
means mounted to the scanner for interacting with the scanning component
via the non-contact distance; and
wherein the scanning component is positioned adjacent to and outside the cap.

16. (Original) The combination of claim 15, wherein the scanner lacks a mirror.

17. (Original) The combination of claim 15, wherein the scanning component
comprises a vibration motor having an oscillating magnet.

18. (Original) The combination of claim 17, wherein the means mounted to the
scanner for interacting with the scanning component comprises a magnet.

19. (Original) The combination of claim 15, wherein the scanning component comprises an electromagnetic coil.
20. (Currently Amended) The combination of claim 19 15, wherein the at least one flexible connector comprises a mechanical pivot.
21. (Currently Amended) The combination of claim 19 15, wherein the at least one flexible connector is formed from a spring-like, elastic or other spatially-deformable structure.
22. (Original) The combination of claim 15, wherein the substrate comprises a printed circuit board having an area of approximately 4 x 4 mm.
23. (Original) The combination of claim 15, wherein the light source comprises a VCSEL laser chip.
24. (Original) The combination of claim 15, wherein the at least one light receiving photodiode comprises a CCD device.
25. (Original) The combination of claim 15, wherein the cap, focusing lens and receiving lens are formed of plastic.

26. (Original) The combination of claim 15, wherein the means for interacting with the scanning component is mounted to the cap.
27. (Original) The combination of claim 15, wherein the means for interacting with the scanning component is mounted to the substrate.
28. (Previously Amended) The combination of claim 15, wherein the scanner is capable of range of oscillation of +/- 20° relative to a central rest position.
29. (Currently Amended) A moving-beam scanner comprising:
 - a light source for generating a light beam;
 - at least one light-receiving photodiode;
 - lens means for focusing the light source onto a target and collecting light reflected from the target;
 - housing means; and
 - means associated with the scanner for interacting non-contact interaction with a scanning component to impart motion to the light beam while maintaining the light source, lens means and housing means fixed relative to each other; wherein said motion is imparted and constrained to the light beam by a non-manual force on at least one flexible connector.
30. (Original) The scanner of claim 29, further comprising a substrate.

31. (Original) The scanner of claim 30, wherein the substrate comprises a printed circuit board having an area of approximately 4 x 4 mm.

32. (Currently Amended) The scanner of claim 29, wherein the light source[[s]] comprises a VCSEL laser chip.

33. (Original) The scanner of claim 29, wherein the at least one light-receiving photodiode comprises a CCD device.

34. (Currently Amended) The ~~device~~ scanner of claim 29, wherein the lens means comprises a lens for focusing the light ~~source~~ beam onto a target and a lens for receiving light reflected from the target.

35. (Original) The scanner of claim 30, wherein the housing means comprises a cap mounted over the substrate.

36. (Original) The scanner of claim 35, wherein the cap and lens means are formed of plastic.

37. (Currently Amended) The scanner of claim 35 29, wherein the means associated with the scanner comprises a magnet and a plurality of flexible connectors attached to the scanner, said plurality of flexible connectors including the at least one flexible connector.

38. (Original) The scanner of claim 35, wherein the means associated with the scanner comprises a magnet, the magnet is mounted to the cap.

39. (Original) The scanner of claim 30, wherein the means associated with the scanner comprises a magnet, the magnet is mounted to the substrate.

40. (Currently Amended) The scanner of claim 29, wherein the at least one flexible connector comprises a mechanical pivot.

41. (Canceled)

42. (Currently Amended) The scanner of claim 29, wherein the at least one flexible connector is attached to the scanner.

43. (Currently Amended) The scanner of claim 30, wherein the at least one flexible connector is attached to the substrate.

44. (Currently Amended) The scanner of claim 29, wherein the at least one flexible connector comprises a plurality of resilient spring-like members, one end of each of the members attached to the scanner.

45. (Currently Amended) The scanner of claim 30, wherein the at least one flexible connector comprises a plurality of resilient spring-like members, one end of each of the members attached to the substrate.

46. (Original) The scanner of claim 45, wherein there are at least 5 members.

Please add the following new claims:

47. (Currently Presented) The device of claim 1, wherein the at least one flexible connector electrically couples the scanner and the printed circuit board.

48. (Currently Presented) The combination of claim 15, wherein the at least one flexible connector electrically couples the scanner to the surface.

49. (Currently Presented) A light beam scanning assembly comprising:
a scanner comprising means for generating a light beam and means for receiving reflected light from a target; and
a scanning component located at a non-contact distance from said scanner and comprising means for generating a non-manual force, wherein said non-manual force causes oscillatory motion of said scanner during a scanning procedure for imparting motion to said light beam.

50. (Currently Presented) The assembly of claim 49, wherein the means for generating the non-manual force comprises a vibration motor having an oscillating magnet.

51. (Currently Presented) The assembly of claim 49, wherein the scanner further comprises means for interacting with the scanning component via the non-contact distance.

52. (Currently Presented) The assembly of claim 51, wherein the means for interacting includes a magnet.

53. (Currently Presented) The assembly of claim 49, wherein the scanning component further comprises an electromagnetic coil.

54. (Currently Presented) The assembly of claim 49, wherein the means for generating the light beam comprises a VCSEL laser chip.

55. (Currently Presented) The assembly of claim 49, wherein the means for receiving reflected light from the target comprises a CCD device.

56. (Currently Presented) The assembly of claim 49, wherein the scanner is capable of range of oscillation of +/- 20° relative to a central rest position.